

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	32	potassium and cation and exchange and resin and ("Na Type" "sodium type" "sodium form" "Na Form") and (NaOH or "sodium hydroxide") same regenerate	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:41
S1	3	("5628874" "5922171" "5980717").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/15 14:56
S2	271	"potassium hydroxide" and bleaching and "162".CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/15 14:57
S3	1	(waste near "potassium hydroxide") and bleaching and "162". CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/15 15:36
S4	0	("potassium hydroxide") and bleaching and "162". CLAS. and "ash leaching"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/15 15:38
S5	13	("potassium hydroxide") and bleaching and "162". CLAS. and "crystallization"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/15 15:38
S6	1	((SABURO) near2 (FURUSHO)).INV.	US-PGPUB; USPAT	OR	OFF	2008/05/15 16:22
S7	3	((NORI O) near2 (KAWANO)).INV.	US-PGPUB; USPAT	OR	OFF	2008/05/15 16:23
S8	2	((SHI GERU) near2 (WAKAMOTO)).INV.	US-PGPUB; USPAT	OR	OFF	2008/05/15 16:24
S9	18	((SABURO) near2 (FURUSHO)).INV.	EPO; JPO; DERWENT	OR	OFF	2008/05/15 16:24
S10	1	(spent near "potassium hydroxide") and bleaching and "162". CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/15 16:46
S11	2	ESI X and potassium and sodium	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/15 16:59

S12	2	ESIX and potassium and sodium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/15 17:01
S13	2763	electrically and switched and potassium and sodium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/15 17:01
S14	1152	electrically and switched and potassium and sodium and ion and exchange	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/15 17:02
S15	0	electrically and switched and potassium and sodium and ion and exchange and "precipitator ash"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/15 17:02
S16	23	electrically and switched and potassium and sodium and ion and exchange and ash	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/15 17:02
S17	3	"Electrically switched ion exchange" and potassium and sodium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/15 17:04
S18	155	("3620671" "3642537" "3645421" "3661513" "3714330" "3789078" "3794713" "3819488" "3833061" "3833433" "3853982" "3858655" "3871452" "3871453" "3871962" "3879373" "3881999" "3882221" "3883345" "3887703" "3956175" "3960549" "3963576" "3969352" "3970712" "3975503" "3979207" "3993733" "3996334" "4035228" "4043846" "4049514" "4052359" "4062929" "4078917" "4096232" "4107140" "4115141" "4123591" "4130553" "4132522" "4140747" "4154643" "4160012" "4163043" "4168214" "4211541" "4224035" "4225723" RE29598). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/16 07:53

S19	50	("3620671" "3642537" "3645421" "3661513" "3714330" "3789078" "3794713" "3819488" "3833061" "3833433" "3853982" "3858655" "3871452" "3871453" "3871962" "3879373" "3881999" "3882221" "3883345" "3887703" "3956175" "3960549" "3963576" "3969352" "3970712" "3975503" "3979207" "3993733" "3996334" "4035228" "4043846" "4049514" "4052359" "4062929" "4078917" "4096232" "4107140" "4115141" "4123591" "4130553" "4132522" "4140747" "4154643" "4160012" "4163043" "4168214" "4211541" "4224035" "4225723" RE29598). PN.	US-PGPUB; USPAT	OR	OFF	2008/05/16 07:53
S20	263	potassium and precipitator and dust and removal	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/16 10:58
S21	9	potassium and precipitator and dust and removal and "162". CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/16 10:59
S22	396	210/660 and potassium	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/16 11:02
S23	128	210/660 and potassium and "sodium hydroxide"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/16 11:02
S24	334	162/17.CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/16 11:03
S25	1	potassium same NPE and "162".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 13:49
S26	63	potassium and ash and ion and exchange and "162".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 13:51
S27	1	"6281255".PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 14:11
S28	338	"cation exchange" and ("Na type" or "Na- type" or "sodium type")	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 14:19

S29	357	("cation exchange" "cationic exchange") and ("Na type" or "Na- type" or "sodium type")	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 14:19
S30	208	("cation exchange" "cationic exchange") and ("Na type" or "Na- type" or "sodium type") and potassium	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 14:19
S31	24	("cation exchange" "cationic exchange") and ("Na type" or "Na- type" or "sodium type") and potassium and ash	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 14:19
S32	4	("cation exchange" "cationic exchange") and ("Na type" or "Na- type" or "sodium type") and potassium and ash and pulp	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 14:20
S33	16	("cation exchange" "cationic exchange") and ("Na type" or "Na- type" or "sodium type") and potassium same removal	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 14:25
S34	101	("cation exchange" "cationic exchange") and ("Na type" or "Na- type" or "sodium type") and potassium same exchange	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 14:25
S35	15	("cation exchange" "cationic exchange") and ("Na type" or "Na- type" or "sodium type") and potassium near7 exchange near7 sodium	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 14:26
S36	20	("cation exchange" "cationic exchange") and ("Na type" or "Na- type" or "sodium type") and potassium near7 exchange near7 sodium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/02 14:42

S37	5	("cation exchange" "cationic exchange") and ("Na type" or "Na- type" or "sodium type") and potassium near7 exchange near7 sodium not S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/02 14:42
S38	7	("cation exchange" "cationic exchange") and ("Na type" or "Na- type" or "sodium type") and potassium near7 selectivity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/02 14:44
S39	2	("cation exchange" "cationic exchange") and ("sodium hydroxide" NaOH) near5 (regenerate regeneration) and "162".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/02 14:45
S40	292	("cation exchange" "cationic exchange") and ("sodium hydroxide" NaOH) near5 (regenerate regeneration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/02 14:46
S41	20	("cation exchange" "cationic exchange") and ("sodium hydroxide" NaOH) near5 (regenerate regeneration) and ash and potassium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/02 14:46
S42	125	("cation exchange" "cationic exchange") and ("sodium hydroxide" NaOH) near5 (regenerate regeneration)and potassium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/02 14:47
S43	4	("cation exchange" "cationic exchange") and ("sodium hydroxide" NaOH) near5 (regenerate regeneration)and potassium and ("Na type" "sodium type" "Na-type")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/02 14:48

S44	12	("1074337" "1189896" "3723308" "3960760" "4122007").PN. OR ("4219441").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 14:51
S45	2	S44 and potassium	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 14:51
S46	133	(regeneration regenerate) near5 (NaOH "sodium hydroxide") and (cation cationic) near2 (exchange or exchanger) and potassium	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 15:37
S47	133	(regeneration regenerate) near5 (NaOH "sodium hydroxide") and ((cation cationic) near2 (exchange or exchanger)) and potassium	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/02 15:37
S48	12	("1074337" "1189896" "3723308" "3960760" "4122007").PN. OR ("4219441").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/03 09:53
S49	0	"2002146691"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/03 09:54
S50	42	(D21C11/00 D21C9/10 D21C11/04).IPC.	EPO; JPO; DERWENT	OR	OFF	2009/03/03 10:03
S51	1	(D21C11/00 D21C9/10 D21C11/04).IPC. and potassium	EPO; JPO; DERWENT	OR	OFF	2009/03/03 10:07
S52	0	(NPE or ("non process elements")) and potassium and ash	EPO; JPO; DERWENT	OR	OFF	2009/03/03 10:11
S53	43	potassium and ash and "ion exchange"	EPO; JPO; DERWENT	OR	OFF	2009/03/03 10:12
S54	29	potassium and ash and "ion exchange" and sodium	EPO; JPO; DERWENT	OR	OFF	2009/03/03 10:13
S55	3	potassium and ash and "ion exchange" and sodium and pulp	EPO; JPO; DERWENT	OR	OFF	2009/03/03 10:13

S56	0	potassium and ash and "ion exchange" and sodium and "black liquor"	EPO; JPO; DERWENT	OR	OFF	2009/03/03 10:14
S57	1	potassium and "ion exchange" and sodium and "black liquor"	EPO; JPO; DERWENT	OR	OFF	2009/03/03 10:14
S58	93	potassium and "ion exchange" and sodium and "black liquor"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 10:21
S59	18	("3041292" "3078140" "3205184" "3332890" "3698995" "4039372" "4150205" "4154801" "4235717" "4478722" "4556463" "5352332" "5536384").PN. OR ("5922171").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/03 10:22
S60	8	((("3041292" "3078140" "3205184" "3332890" "3698995" "4039372" "4150205" "4154801" "4235717" "4478722" "4556463" "5352332" "5536384").PN. OR ("5922171").URPN.) and potassium	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/03 10:22
S61	851	potassium and (regenerate or regeneration) same ("sodium hydroxide" or NaOH) and ("ion exchange" "ion exchanger")	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/03 10:25
S62	228	potassium same removal and (regenerate or regeneration) same ("sodium hydroxide" or NaOH) and ("ion exchange" "ion exchanger")	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/03 10:25

S63	21	potassium near5 removal and (regenerate or regeneration) same ("sodium hydroxide" or NaOH) and ("ion exchange" "ion exchanger")	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/03 10:26
S64	380	"ion exchange" and ("Na type" or "Na-type" or "sodium type") and potassium	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/03 10:54
S65	0	"ion exchange" and ("Na type" or "Na-type" or "sodium type") and potassium and "black liquor"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/03 10:55
S66	20	"ion exchange" and ("Na type" or "Na-type" or "sodium type") and potassium and "pulp"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/03 10:55
S67	8	"ion exchange" and ("Na type" or "Na-type" or "sodium type") and potassium and ("sodium hydroxide" NaOH) same (regenerate regeneration)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/03 10:56
S68	21	"potassium sodium ion exchange"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 11:06
S69	12	"potassium-sodium ion exchange"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 11:06
S70	21	S68 S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 11:07
S71	0	"potassium sodium ion exchanger"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 11:10
S72	32	"sodium potassium ion exchange"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 11:10

S73	5	"Na K ion exchange"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 11:12
S74	0	"Na-K ion exchange"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 11:13
S75	2	"Na K-ion exchange"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 11:13
S76	8	"K Na ion exchange"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 11:14
S77	5	"Diaion UBK550"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 11:21
S78	356	423/179.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 11:39
S79	90	423/179.ccls. and (NaOH or "sodium hydroxide")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 11:39
S80	50	423/179.ccls. and (NaOH or "sodium hydroxide") and potassium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 11:41
S81	4	423/179.ccls. and (NaOH or "sodium hydroxide") and potassium and cationic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/03 11:43
S82	1	"5980717".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 10:22
S83	7	("3684672" "4477355" "5352332" "5567293" "5628874").PN. OR ("5980717").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 12:16
S84	2914	"cation exchange" and potassium same (removal reduction reduce)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 15:01

S85	2097	"cation exchange" and potassium same (removal reduction reduce) and resin	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 15:02
S86	2001	"cation exchange" and potassium same (removal reduction reduce) and resin and sodium	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 15:02
S87	1207	"cation exchange" and potassium same (removal reduction reduce) and resin and "sodium hydroxide"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 15:02
S88	1	"cation exchange" and potassium same (removal reduction reduce) and resin and "precipitator ash"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 15:02
S89	1	"cation exchange" and potassium and resin and "precipitator ash"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 15:03
S90	1	"cation exchange" and potassium and resin and "precipitator ash"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 15:03
S91	0	"cation exchange" and potassium and resin and "precipitater ash"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 15:04
S92	0	"cation exchange" and potassium and resin and "precipitater dust"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 15:04
S93	2	"cation exchange" and potassium and resin and "precipitator dust"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 15:04
S94	1	"cationic exchange" and potassium and resin and "precipitator dust"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 15:05
S95	3	"cationic exchange" and potassium and resin and "precipitator"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 15:05
S96	28	"cation exchange" and potassium and resin and "precipitator"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 15:06

S97	15	"cation exchange resin" and potassium and "precipitator"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 15:08
S98	249	"cation exchange resin" and potassium and "sodium hydroxide" same (regenerate regeneration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 15:09
S99	53	"cation exchange resin" and potassium and "sodium hydroxide" near5 (regenerate regeneration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 15:09
S100	1	"5922171".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 15:13
S101	1	"5,895,556".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 15:34
S102	1	"5922171".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 14:08
S103	1	"5628874".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 14:13
S104	0	(potasssium and ion and exchange).clm.	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:17
S105	0	(potasssium and exchange).clm.	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:18
S106	1439	(potassium and ion and exchange).clm.	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:19
S107	20	(potassium and ion and exchange and ash).clm.	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:19
S108	9	(potassium and ion and exchange and ash).clm. and (pulp pulping kraft)	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:21
S109	16	(potassium and cation and exchange and (NaOH or "sodium hydroxide")).clm. and (pulp pulping kraft)	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:23
S110	9	(potassium and cation and exchange and resin and (NaOH or "sodium hydroxide")).clm. and (pulp pulping kraft)	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:24

S111	689	potassium and cation and exchange and resin and (NaOH or "sodium hydroxide") and ("Na Type" "Sodium type" "Na form" "Sodium form")	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:27
S112	7	potassium and cation and exchange and resin and (NaOH or "sodium hydroxide") and ("Na Type" "Sodium type" "Na form" "Sodium form") and "162".clas.	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:27
S113	5	(potassium and cation and exchange and resin and (NaOH or "sodium hydroxide") and ("Na Type" "Sodium type" "Na form" "Sodium form")). clm.	US-PGPUB; USPAT	OR	OFF	2009/03/11 14:29

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